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(FILE 'HOME' ENTERED AT 16:31:17 ON 31 JAN 2008)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 16:31:38 ON 31 JAN 2008

745 S ALPHA-1(6A) CALCIUM(W) CHANNEL

267520 S (TRANSGEN? OR CHIMERIC) (6A) (ANIMAL OR MAMMAL OR MOUSE OR MICE L2L3

7 S L1 AND L2

5 DUP REM L3 (2 DUPLICATES REMOVED) L4

=> d au ti so pi 1-5 14

- ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
- Baron, Scott Phillip; Hidayetoglu, Debra Lynn; Johns, Margaret Ann; IN Offord, James David; Su, Ti-zhi
- Non-human mammals and animal cells carrying mutations in the TI $\alpha 2/\delta 1$ voltage-sensitive calcium channel genes
- SO PCT Int. Appl., 124 pp.

	PA'	DEN: CENT	NO.	_		KIN)	DATE	•		APPL:	ICAT;	ION I	ŃΟ.		D	ATE		
ΡI		2004				A2	_	2004	1021		WO 2	004-	 ІВ11	87		2	0040	405	
	WO	2004	0890	72		A3		2004	1216	,									
	WO	2004	0890	72		A8		2005	0217										
	WO	2004	0890	72		A9		2005	1215										
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑŻ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,	
			CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,	
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KΕ,	KG,	ΚP,	KR,	ΚZ,	LC,	
			LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,	
			NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	
			TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	ŪĠ,	US,	UΖ,	VC,	VN,	YU,	ZA,	ZM,	zw	
		RW:	BW,	GH,	GM,	KE,	LS,	MW,	ΜZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	
			BY,	KG,	KZ,	MD,	RU,	TJ,	TM,	ΑT,	BE,	ВG,	CH,	CY,	CZ,	DE,	DK,	EE,	
			ES,	FΙ,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	ΝL,	PL,	PT,	RO,	SE,	SI,	
			SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	
			TD,																
	ΕP	1615	493			A2		2006	0118		EP 20	004-	7257	51		2	0040	405	
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LÜ,	NL,	SE,	MC,	PT,	
			ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	PL,	SK,	HR
		2006																	
	US	2005	0445	31		Al		2005	0224		US 20	004-	8234	47		2	0040	413	

L4ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

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IN Baron, Scott Phillip; Hidayetoglu, Debra Lynn; Offord, James David; Su,

US 2004-823432

20050630

- TI Non-human mammals and animal cells carrying mutations in the $\alpha 2/\delta$ voltage-sensitive calcium channel genes.
- SO PCT Int. Appl., 176 pp.

US 2005144659

CODEN: PIXXD2

	PAT	CENT :	NO.			KIN	D	DATE		i	APPL	ICAT	ION I	NO.		\mathbf{D}_{i}	ATE	
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PΙ	WO	2004	0890	71		A1		2004	1021	1	WO 2	004-	IB11	10		2	00404	412
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			CN,	CO,	CR,	CU,	CZ;	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KΕ,	KG,	KΡ,	KR,	KZ,	LC,
			LK,	LR,	LS,	LT,	Ìυ,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
			NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
			ТJ,	TM,	TN,	TR,	TT,	ΤZ,	UA,	UG,	US,	UZ,	VC,	VN,	ΥU,	ZA,	ZM,	ZW
		RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	ŪĠ,	ZM,	ZW,	AM,	ΑZ,
			BY,	KG,	ΚŻ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DΚ,	EE,
			ES,	FI,	FR,	GB,	GR,	ΗU,	ΙE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,	SI,
			SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,

TD, TG 20060118 EP 2004-726877 20040412 EP 1615494 A1 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR 20061005 JP 2006-506459 T 20040412 US 2005044581 A1 20050224 US 2004-823447 20040413 US 2005144659 A1 20050630 US 2004-823432 20040413

- L4 ANSWER 3 OF 5 MEDLINE on STN DUPLICATE 1
- AU Serikov V B; Petrashevskaya N N; Canning A M; Schwartz A
- TI Reduction of [Ca(2+)](i) restores uncoupled beta-adrenergic signaling in isolated perfused transgenic mouse hearts.
- SO Circulation research, (2001 Jan 19) Vol. 88, No. 1, pp. 9-11. Journal code: 0047103. E-ISSN: 1524-4571.
- L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
- IN Niitome, Tetsuhiro; Teramoto, Tetsuyuki; Murata, Yoshuki; Tanaka, Isao
- TI Transgenic BHK cells stably expressing cDNAs for types BI, BII, and BIII calcium channels
- SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08009969	А	19960116	JP 1994-149027	19940630

- L4 ANSWER 5 OF 5 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN
- AU YANEY G C (Reprint); WHEELER M B; WEI X Y; PEREZREYES E; BIRNBAUMER L; BOYD A E; MOSS L G
- TI CLONING OF A NOVEL ALPHA-1-SUBUNIT OF THE VOLTAGE-DEPENDENT CALCIUM-CHANNEL FROM THE BETA-CELL
- SO MOLECULAR ENDOCRINOLOGY, (DEC 1992) Vol. 6, No. 12, pp. 2143-2152. ISSN: 0888-8809.

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- L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
- Transgenic animal cells stably expressing subunits . alpha.1, $\alpha 2$, and β of calcium channels types BI, BII, and BIII , resp., are given. BHK cells were co-transfected with plasmids pK4kBI (encoding .alpha. 1 subunit of rabbit calcium channel type BI), pCAA2 (encoding skeletal muscle $\alpha 2$ subunit of rabbit calcium channel), and pCAB2 (encoding skeletal muscle $\beta 2$ subunit of rabbit calcium channel) and the clones expressing type BI calcium channel and the marker dihydrofolate reductase (DHFR) gene were selected. The transformed cells were used for the pharmacol. studies of the effects of calcium antagonists on Ca2+ currents.
- L4 ANSWER 5 OF 5 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN
- To study the molecular regulation of voltage-dependent Ca 2+ channels (VDCCs) in the beta-cell, we have cloned a cDNA for the alphal-subunit from a hamster insulin-secreting cell line (HIT-T15). The cDNA (HCa3a) encodes a 1610-amino acid protein with four repeating membrane domains and an overall structure characteristic of other alphal-subunits. Although the cDNA shows a high degree of sequence homology (97%) with a rat brain alphal-subunit (RBalphal), the C-terminal 15 amino acids of HCa3a share no similarity with any cloned alphal protein. High stringency Northern blot analysis revealed a single transcript of approximately 8.6 kilobases in HIT cells and hamster pancreas. A similarly sized species was detected in hamster brain, heart, and skeletal muscle. Using polymerase chain reaction and a primer set unique to HCa3a, this alphal isoform was found

to be expressed in islet cell lines derived from rat, mouse, and hamster. The HIT cell alphal-subunit is also expressed in discrete regions of the rat central nervous system, including the cortex, cerebellum, hypothalamus, and brain stem. The expression of two alphal isoforms (HCa3a and cardiac) in the HIT cell underscores the possible complexity of VDCCs in the regulation of beta-cell signal transduction. With its widespread tissue distribution, HCa3a does not conform to the current classification system used for L-type VDCCs; this suggests that an alternative system of classification is required.

Refine Search

Search Results -

Terms	Documents
L2 and L3	4

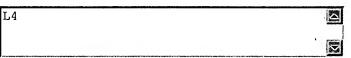
US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database
US OCR Full-Text Database

Database:

EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:











Search History

DATE: Thursday, January 31, 2008 Purge Queries Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
DB=F	PGPB,USPT; PLUR=YES; OP=AND		
<u>L4</u>	12 and L3	[~] 4	<u>L4</u>
<u>L3</u>	(transgen\$ or chimeric) near6 (animal or mammal or mouse or mice or rat or sheep or rabbit or pig)	49063	<u>L3</u>
<u>L2</u>	alpha-1 near9 calcium adj channel	35	<u>L2</u>
<u>L1</u>	alpha-1 near6 calcium adj channel	18	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 4 of 4 returned.

1. 20050221311. 07 Apr 05. 06 Oct 05. Isolated human transporter proteins nucleic acid molecules
encoding human transporter proteins and used thereof. Gan, Weiniu, et al. 435/6; 435/320.1 435/325
435/69.1 530/350 530/388.22 536/23.5 C12Q001/68 C07H021/04 C12N015/09 C07K014/705
C07K016/28.

2. 20040214238. 15 Dec 03. 28 Oct 04. Nociceptive neuron specific calcium channel isoform and uses thereof. Lipscombe, Diane, et al. 435/7.2; 435/368 530/350 G01N033/53 G01N033/567 C12N005/08 C07K014/705.

3. 20040091497. 10 Nov 03. 13 May 04. Schizophrenia-related voltage-gated ion channel gene and protein. Cohen, Daniel, et al. 424/185.1; 435/320.1 435/325 435/6 435/69.1 530/350 536/23.5 800/8 C12Q001/68 A01K067/00 C07H021/04 A61K039/00 C07K014/705.

4. 7041475. 20 Dec 01; 09 May 06. Purified and isolated platelet calcium channel nucleic acids. Malouf; Nadia, et al. 435/69.1; 435/320.1 435/325 530/350 536/23.1 536/23.5. C07H21/04 20060101 C07K14/00 20060101 C12N15/00 20060101 C12N15/12 20060101 C12N15/63 20060101 .

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Terms	Documents
L2 and L3	4

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